AUTHOR INDEX

ANTONAKIS, K., 57

BAKTHAVACHALAM, V., 124
BERNABE, M., 100
BOGUSIAK, J., 235

CANO, F. H., 100
CHERIAN, X. M., 124
CHÛJÔ, R., 229
CLAESSON, A., 167
CRUZADO, M. C., 249
CSÖREGH, I., 167
CZARNIK, A. W., 124

DEBONGNIE, P., 137
DEULOFEU, V., 71
DUTTON, G. G. S., 193

FILIPPI, J., 57
FOCES-FOCES, C., 100

GALAN, E. R., 240
GLENNIE, C. W., 263

HALMOS, T., 57
HILL, R. D., 215
HORI, H., 106

INOUE, Y., 229
IWATA, S., 269
IZUMI, K., 19

JIMENEZ-BARBERO, J., 100
JOHNSON, E. A., 151

KANAI, K., 47
KENNE, L., 167
KIM, H.-O., 215
KIYOHARA, H., 181

LEE, C.-K., 255
LEE, Y. C., 27
LIN, L.-G., 124
LINDBERG, B., 207
LINDQUIST, U., 207
LUTHMAN, K., 167

MARTINEZ, M. B., 240
MARTIN-LOMAS, M., 100, 249
MCDONALD, A. M. L., 263
MEGURO, H., 106
MESTDAGH, M., 137
MONTSERRET, R., 57
MULLOY, B., 151

NARUI, T., 269
NISHIDA, Y., 106
NISHIGAKI, J., 47

OGAWA, S., 47, 116
OHRUI, H., 106
ONDA, M., 229
OTSUKA, Y., 181

PAROLIS, H., 193
PAROLIS, L. A. S., 193
PEREZ, J. A. G., 240

RAHMAN, M. D., 112
RICHARDS, G. N., 112
RINAUDO, M., 137

SALINAS, A. E., 71
SZEJA, W., 235
SHIBATA, S., 269
SHIBATA, Y., 116
SPROVIERO, J. F., 71
STARK, J. R., 263
STENBERG, O., 207
SUAMI, T., 47
SZILÁGYI, L., 1

TAKAHASHI, K., 269
TAKAHASHI, Y., 229
TAKI, T., 47
TOWNSEND, R. R., 27

VENTULA, A. C., 240

WONG, T. C., 27

YAMADA, H., 181
YAMAMOTO, Y., 229

SUBJECT INDEX

Adenosine, 2′,3′-acetals of, synthesis, stereochemistry, intramolecular cyclization, and rates of hydrolysis of, 124

2-(D-*allo*- and D-*altro*-pentitol-1-yl) pyridines and their 2′,5′-anhydro derivatives, synthesis of, 240

2-Amino-2-deoxy-α-D-glucopyranosyl α-D-mannopyranoside, synthesis of two pseudo-sugar analogues of, 116

Ammonolysis of penta-*O*-benzoyl-α-D-glucopyranose in an aprotic medium, characterization of the products isolated and conformational analysis of eleven *N*-benzoyl-D-glucofuranosylamine derivatives, 71

Amylose–lipid interaction, effect of cyclomaltoheptaose on, wheat during wheat-starch pasting, 215

Anti-complementary acidic heteroglycan from the leaves of *Artemisia princeps*, further structural studies of an, 181

Artemisia princeps, further structural studies of an anti-complementary acidic heteroglycan from the leaves of, 181

Assignment of the ^{1}H-n.m.r. spectra of heparin and heparan sulphate, 151

Assignments of the ^{1}H- and ^{13}C-n.m.r. spectra of tobramycin at low and high pH, 1

Binding studies using isolated rat hepatocytes, synthesis of D-galactosamine derivatives, 27

Carbohydrates, interference by flavonoids in the phenol–sulfuric acid analysis of, 112

Cellulose, distribution of substituents in *O*-(2-hydroxyethyl)-, 207

Complexation of copper ions by galacturonic acid and galacturonans, an e.p.r. and potentiometric study of the, 137

Conformation of 3,4,6-tri-*O*-acetyl-1,2-*O*-isopropylidene-α-D-galactopyranose, the solid state and solution, 100

Cyclomaltoheptaose, effect of, an amylose–lipid interaction during wheat-starch pasting, 215

Cyclomalto-oligosaccharides, assignment of ^{1}H and ^{13}C resonances in the 2D-n.m.r. spectra of *O*-methylated, 229

Damage in commercial starch preparations, some observations on, 263

Distribution of substituents in *O*-(2-hydroxyethyl)cellulose, 207

Effect of cyclomaltoheptaose on amylose–lipid interaction during wheat-starch pasting, 215

6^{1}-Epifortimicin A, synthesis of, 47

E.p.r. and potentiometric studies of the complexation of copper ions by galacturonic acid and galacturonans, 137

Escherichia coli serotype K9, the structure of the neuraminic acid-containing capsular polysaccharide of, 193

Fortimicin A, 7′-(3-hydroxypropyl)-, synthesis of, 47

D-Fructopyranose and L-sorbofuranose, selective sulphonylation of *O*-isopropylidene derivatives of, 255

D-Galactosamine derivatives and binding studies using isolated rat hepatocytes, synthesis of, 27

Galacturonans, an e.p.r. and potentiometric study of the complexation of copper ions by galacturonic acid and, 137

α-D-Glucans, partial hydrolysis of, with acid in the presence of 1,1,3,3-tetramethylurea, 269

D-Glucofuranosylamine, *N*-benzoyl-, conformational analysis of eleven derivations of, 71

D-Glucopyranose, 2-acetamido-2-deoxy-, conformational analysis of, 106

α-D-Glucopyranose, penta-*O*-benzoyl-, ammonolysis of, in an aprotic medium, 71

D-Glucopyranose, (6*S*)-(6-^{2}H$_{1}$)-2-acetamido-2-deoxy-, ^{1}H-n.m.r. study on, 106

Glycosyl xanthates from reducing sugar derivatives, synthesis of, under phase-transfer conditions, 235

Heparin and heparan sulphate, assignment of the ^{1}H-n.m.r. spectra of, 151

Heterogeneous, catalytic, transfer hydrogenolysis of tri-*O*-benzyl derivatives of 1,6-anhydro-β-D-hexopyranoses, 249

Heteroglycan from the leaves of *Artemisia princeps*, further structural studies of an anti-complementary acidic, 181

D-Hexopyranosides, methyl 2-acetamido-2-deoxy-, ^{1}H- and ^{13}C-n.m.r. spectra of, in the presence of lanthanide ions, 19

2-Hexuloses: selective sulphonylation of *O*-isopropylidene derivatives of D-fructopyranose and L-sorbofuranose, 255

^{1}H-N.m.r. study on (6*S*)-(6-^{2}H$_{1}$)-2-acetamido-2-deoxy-D-glucopyranose, and conformational

analysis of 2-acetamido-2-deoxy-D-glucopyranose, 106
Hydrogenolysis of tri-*O*-benzyl derivatives of 1,6-anhydro-β-D-hexopyranoses, the heterogeneous, catalytic transfer, 249
Hydrolysis, partial, of α-D-glucans, with acid in the presence of 1,1,3,3-tetramethylurea, 269
O-(2-Hydroxyethyl)cellulose, distribution of substituents in, 207

Interference by flavonoids in the phenol–sulfuric acid analysis of carbohydrates, 112

KDO, structural analysis of two 2-deoxy analogues of α- and β-KDO and the methyl α- and β-glycosides of, and determination of their metal-ion-binding properties, 167

Metal-binding properties of two 2-deoxy analogues of α- and β-KDO and the methyl α- and β-glycosides of KDO, 167
Methyl α- and β-D-aldohexopyranosides, studies of the selective silylation of, 57
O-Methylated cyclomalto-oligosaccharides, assignment of ^{1}H and ^{13}C resonances in the 2D-n.m.r. spectra of, 229

Neuraminic acid-containing capsular polysaccharide of *Escherichia coli* serotype K9, the structure of the, 193
N.m.r. spectra (^{1}H- and ^{13}C-) of methyl 2-acetamido-2-deoxy-D-hexopyranosides in the presence of lanthanide ions, 19
N.m.r. spectra of heparin and heparan sulphate, assignment of the ^{1}H-, 151
2D-N.m.r. spectra of *O*-methylated cyclomalto-oligosaccharides: assignment of ^{1}H- and ^{13}C resonances and conformational analysis, 229
N.m.r. spectra of tobramycin at low and high pH, assignments of the ^{1}H- and ^{13}C-, 1

Observations on damage in commercial starch preparations, 263

Partial hydrolysis of α-D-glucans with acid in the presence of 1,1,3,3-tetramethylurea, 269
Pentitol-1-yl) pyridines and their 2′,5′-anhydro derivatives, synthesis of 2-(D-*allo*- and D-*altro*-, 240
Polysaccharide of *Escherichia coli* serotype K9, the structure of the neuraminic acid-containing capsular, 193
Pseudo-sugar analogues of 2-amino-2-deoxy-α-D-glucopyranosyl α-D-mannopyranoside, synthesis of two, 116

Selective silylation of methyl α- and β-D-aldohexopyranosides, studies of the, 57
Solid state and solution conformation of 3,4,6-tri-*O*-acetyl-1,2-*O*-isopropylidene-α-D-galactopyranose, 100
Starch preparations, some observations on damage in commercial, 263
Structural analysis of two 2-deoxy analogues of α- and β-KDO and the methyl α- and β-glycosides of KDO, and determination of their metal-ion-binding properties, 167
Studies of the selective silylation of methyl α- and β-D-aldohexopyranosides and stability of the partially protected derivatives in polar solvents, 57
Sulphonylation of *O*-isopropylidene derivatives of D-fructopyranose and L-sorbofuranose, selective, 255
Synthesis of 2-(D-*allo*- and D-*altro*-pentitol-1-yl) pyridines and their 2′,5′-anhydro derivatives, 240
Synthesis of D-galactosamine derivations and binding studies using isolated rat hepatocytes, 27
Synthesis of glycosyl xanthates from reducing sugar derivatives under phase-transfer conditions, 235
Synthesis of 7′-(3-hydroxypropyl)fortimicin A and 6′-epifortimicin A, 47
Synthesis of two pseudo-sugar analogues of 2-amino-2-deoxy-α-D-glucopyranosyl α-D-mannopyranoside, 116
Synthesis, stereochemistry, intramolecular cyclization, and rates of hydrolysis of adenosine 2′,3′-acetals, 124

Tobramycin, assignments of the ^{1}H- and ^{13}C-n.m.r. spectra of, at low and high pH, 1
Transfer hydrogenolysis of tri-*O*-benzyl derivatives of 1,6-anhydro-β-D-hexopyranoses, the heterogeneous catalytic, 249
3,4,6-Tri-*O*-acetyl-1,2-*O*-isopropylidene-α-D-galactopyranose, the solid state and solution conformation of, 100

Xanthates, synthesis from reducing sugar derivatives of glycosyl, under phase-transfer conditions, 235